

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office						Atty. Docket No. 1567/70937-ZA	Serial No. -Not Yet Known- 101735,439		
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)								Applicant(s) Jacob Bar-Tana			
								Filing Date Herewith 11DEC2003	Group Art Unit 1614		
U.S. PATENT DOCUMENTS											
Examiner Initials		Document Number					Date	Name	Class	Subclass	Filing Date If Appropriate
LAR		4	6	3	4	7	9	5	01-1987	Bartana	
		4	6	8	9	3	4	4	08-1987	Bartana	
		4	7	1	1	8	9	6	12-1987	Bartana et al	
		4	9	5	4	4	8	7	09-1990	Cooper et al	
		5	5	0	2	2	2	6	03-1991	Chopra	
		5	5	0	2	0	7	7	03-1991	Breivik et al	
		5	6	4	1	8	1	0	06-1997	Pilleret	
LAR		6	3	0	3	6	5	3	10-2001	Bartana	
FOREIGN PATENT DOCUMENTS											
		Document Number					Date	Name	Class	Subclass	Translation
										Yes	No
LAR	WO	98	3	0	5	3	0	1998	Bartana		
LAR	WO	98	3	6	7	4	5	1998	Carlsmetra et al		
LAR	IS	1	1	9	9	7	1	1997	-		
LAR	IS	1	2	1	1	6	5	1997	-		
LAR	EPO	0	6	6	1	0	4	9	1995	Hornstra	
LAR	EPO	0	0	8	1	9	3	0	1983	Bartana	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)											
LAR		Bar-Tana et al., "Inhibition of lipid synthesis by β, β' tetramethyl-substituted C14-C22 α, ω dicarboxylic acids in the rat <i>in vivo</i> ", <i>J. Biol. Chem.</i> , 260:8404-8410 (1985);									
LAR		Bar-Tana et al., "Hypolipidemic effect of β, β' -methyl-substituted hexadecanedioic acid (MEDICA 16) in normal and nephrotic rats", <i>J. Lipid Res.</i> , 29:431-441 (1988);									
duplicate citation		Bar-Tana et al., "Hypolipidemic effect of β, β' -methyl substituted hexadecanedioic acid in normal and nephrotic rats", <i>J. Lipid Res.</i> , 29:4431-441 (1998);									
LAR		Bar-Tana et al., "Long chain dicarboxylic acids: Hypolipidemic, antiobesity and antidiabetic activity", <i>New Antibiotic Drugs</i> , (Eds. Bailey, C.J., Flatt P.R.). Smith-Torton and Comp. (1990);									
LAR		Bar-Tana et al., "Synthesis, hypolipidemic and antidiabetogenic activities of β, β' tetra-substituted, long chain dioic acids", <i>J. Med. Chem.</i> , 32:2072-2084 (1989);									
EXAMINER		DATE CONSIDERED								11 JUNE 2001	
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							Yes
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
duplicate citation		Cave, W.T., "Dietary n-3 (omega-3) polyunsaturated fatty acid effects on animal tumorigenesis", FASEB J., 5:52160-2166 (1991); Chin, J.P.F., Prost. Leuk. Essent. Fatty Acids, 50:211-222 (1994);					
LAR		De-Fronzo et al., "Insulin resistance: a multifaceted syndrome responsible for NIDDM, obesity, hypertension, dyslipidemia and atherosclerotic cardiovascular disease", Diabetes Care, 3:173-194 (1991);					
LAR		Frenkel et al., "The effect of β, β' -methyl-substituted hexadecanedioic acid on VLDL metabolism in rats: role of apolipoprotein C-IIIL", Biochem. J., 298:409-414 (1994);					
LAR		Frenkel et al., "The hypochylomicronemic effect of β, β' -methyl-substituted hexadecanedioic acid is mediated by a decrease in apolipoprotein C-IIIL", J. Biol. Chem., 263:8491-8497 (1988);					
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FOREIGN PATENT DOCUMENTS								
Examiner Initials		Document Number	Date	Name	Class	Subclass	Translation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
duplicate citation		Grundy, S.M. & Denke, M.A., "Dietary influences on serum lipids and lipoproteins", J. Lipid Res., 31:1149-1172 (1990);						
LAR		Hall et al., "The role of coenzyme A in the biotransformation of 2-arylpropionic acids", Chem. Biol. Interact., 90(3):235-252 (1994);						
LAR		Hermesh et al., "Mitochondria uncoupling by a long chain fatty acyl analog", J. Biol. Chem., 273:3937-3942 (1997);						
LAR		Hertz et al., "Mode of action of peroxisome proliferators as hypolipidemic drugs: suppression of apolipoprotein C-II", J. Biol. Chem., 270:13470-13475 (1995);						
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<u>duplicate citation</u>	<u>Hultin, M.B., "Fibrinogen and Factor VII as risk factors in vascular disease", Prog. Hemost. Thromb., 10:215-241 (1991),</u>							
<u>LAR</u>	<u>Jeppesen et al., "Low triglycerides-high high-density lipoprotein cholesterol and risk of ischemic heart disease", Arch. Intern. Med., 161:361-366 (2001);</u>							
<u>WAR</u>	<u>Kahn-Rose et al., "Inhibition of lipid synthesis by tetramethyl-substituted C14-C22 dicarboxilic acids in cultured rat hepatocytes", J. Biol. Chem., 260:8411-8415 (1985);</u>							
<u>WAR</u>	<u>Kalderon et al., "Tissue selective modulation of redox and phosphate potentials by -methyl-substituted hexadecanedioic acid", Endocrinology, 131:162-165 (1992);</u>							
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Examiner Initials	Document Number	Date	Name	Class	Subclass	Translation	
						Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
duplicate citation	Leff, T., Reue, K., Melian, A., Culver, H. & Breslow, J.L., "A regulatory element in the ApoCIII promoter that directs hepatic specific transcription binds to proteins in expressing and nonexpressing cell types", <i>J. Biol. Chem.</i> , 264:16132-16137 (1989);						
	Limatta et al., "Dietary Polyunsaturated Fatty Acids Interfere with the Insulin/Glucose Activation of I-type Pyruvate Kinase Gene Transcription", <i>Molecular Endocrinology</i> , 8:1147-1153 (1994).						
LAR	Mayorek et al., "Hypocholesterolemic effect of α -methyl-substituted hexadecanedioic acid (MEDICA 16) in obese Zucker rats in vivo", 289:911-917 (1993);						
LAR	Mayorek et al., "Sensitization to insulin induced by α -methyl-substituted hexadecanedioic acid (MEDICA 16) in obese Zucker rats in vivo", <i>Diabetes</i> , (1997);						
EXAMINER	<i>Mayorek</i>		DATE CONSIDERED	11 JUNE 2003			
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						Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
duplicate citation	Morris, M.C., Saks, F. & Rosner, B. Circulation 88, 523-533 (1993)					
LAR	Neupert et al., "Effects of ibuprofen enantiomers and its coenzyme A thioesters on human prostaglandin endoperoxide synthases", BR. J. Pharmacol., 122(3):487-492 (1997);					
LAR	Russel et al., "The hypolipidemic effect of , , tetramethylhexadecanedioic acid (MEDICA 16) in hyperlipidemic JCR:LA-corpulent rats", Arteriosclerosis and Thrombosis, 11:602-609 (1991);					
LAR	Russell et al., "Inhibition of artherosclerosis and myocardial lesions in the JCR:LA-cp rat by , -tetramethyl hexadecanedioic acid" Arterioscler. Thromb. Vasc. Biol., 15:918-923; 1995					
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INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)					Applicant(s) Jacob Bar-Tana			
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FOREIGN PATENT DOCUMENTS								
Examiner Initials		Document Number	Date	Name	Class	Subclass	Translation	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
<p>duplicate citation</p> <p>Sladek, F.M., "Liver Gene Expression" (eds. Tronche, F. & Yaniv, M.) pp. 207-230, R.G. Landes Co., Austin, TX (1994).</p> <p>duplicate citation</p> <p>Sladek, F.M., Zhong, W.M., Lai, E., Darnell, J.E., Jr. Gene Dev., 4:233-2365 (1990).</p> <p>duplicate citation</p> <p>Storlien, L.H. et al., "Fish oil prevents insulin resistance induced by high-fat feeding in rats", Science, 237:885-888 (1987).</p> <p>duplicate citation</p> <p>The Metabolic and Inherited Bases of Inherited Disease (eds. Scriver, C.R., Beaudet, A.L., Sly, W.S., Valle, D.) Vol. II, Part 8, 1995 (McGraw-Hill, Inc.).</p>								
EXAMINER			DATE CONSIDERED					
<i>[Signature]</i>			11 JUNE 2004					
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						Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
LAR	Tracy et al., "Metabolic inversion of (R)-ibuprofen-Coenzyme A", Drug Metabol. Dispos., 21(1):114-120 (1993);						
LAR	Tzur et al., "Adipose reduction by -tetramethyl-substituted hexadecanedioic acid (MEDICA 16)", Int. J. Obesity, 13:313-326 (1989);						
LAR	Tzur et al., "The hypolipidemic antiobesity and hypoglycemic-hypoinsulinemic effects of -methyl-substituted hexadecanedioic acid in sand rats", Diabetes, 37:1618-1624 (1988);						
LAR	Unger, R.H., "Lipotoxicity in the pathogenesis of obesity-dependent NIDDM. Genetic and clinical implications", Diabetes 44, 863-870 (1995); and						
LAR	Yamagata, K. et al., "Mutations in hepatic nuclear factor alpha gene in maturity onset diabetes of the young (MODY 1)", Nature, 384:458-460 (1996).						
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FOREIGN PATENT DOCUMENTS

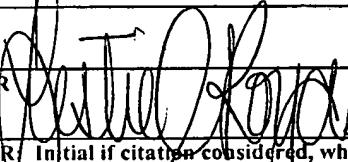
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

LAR	Cave, William T., Dietary n-3 (ω -3) Polyunsaturated fatty acid effects on animal tumorigensis, (1991) FASEB J. Vol. 5: pp. 2160-2166 (Exhibit 1)
LAR	Chin, J.P.F., Marine Oils and Cardiovascular Reactivity, (1994),
LAR	Prostaglandins Leukotrienes and Essential Fatty Acids Vol. 50, pp:
LAR	211-222 (Exhibit 2);
LAR	Grundy, Scott M., et al., (1990), Dietary Influences on Serum Lipids
LAR	and Lipoproteins, Journal of Lipid Research, Vol. 31. pp. 1149-1172
LAR	(Exhibit 3);
LAR	Hultin, Mae B., M.D., (1991) Fibrinogen and Factor VII as Risk Factors in Vascular
LAR	Disease, Prog. Hemost. Thromb., 10:215-241 (Exhibit 4)
LAR	Leff, Todd, et al., (1989), A Regulatory Element in the ApoCIII
LAR	Promoter that Directs Hepatic Specific Transcription Binds to
LAR	Proteins in Expressing and Nonexpressing Cell Types*, Journal of
LAR	Biological Chemistry, Vol. 27, pp: 16132-16137 (Exhibit 5)
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							Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
LAR		Morris, et al. (1993) Circulation, Does Fish Oil Lower Blood Pressure?, Vol. 88, pp: 523-533 (Exhibit 6);						
LAR		Sladek, Frances M., et al. (1994), Liver Gene Expression, Molecular Biology Intelligence Unit (HNF4), Chapter 11 (Exhibit 7)						
LAR		Sladek, Frances M., et al., (1990), Liver-enriched transcription factor HNF-4 is a novel member of the steroid hormone receptor superfamily, Genes Dev., Vol. 4(12B) pp:2353-2365 (Exhibit 8)						
LAR		Storlien, Leonard H., et al., (1987), Fish Oil Prevents Insulin Resistance Induced by High-Fat Feeding in Rats, Science, Vol. 237, pp:885-888 (Exhibit 9)						
LAR		The Metabolic and Inherited Bases of Inherited Disease (eds., Scriver, C.R., Beaudet, A.L., Sly, W.S., Valle, D.) Vol. II, Part 8, 1995 (McGraw-Hill, Inc.) (Exhibit 10)						
EXAMINER: <i>Julie Boyd</i>			DATE CONSIDERED <i>11 JUNE 2004</i>					
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
duplicate citation	Unger, Roger H., (1995), Lipotoxicity in the pathogenesis of Obesity Dependent NIDDM, <i>Diabetes</i> , Vol. 44, pp: 863-870 (Exhibit 11)						
duplicate citation	Yamagata, Kazuya, et al., (1996), Mutations in the hepatocyte nuclear factor-4 α gene in maturity-onset diabetes of the young (MODY1), <i>Nature</i> , Vol. 384, pp: 458-460 (Exhibit 12)						
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